

**To:** George Papadopoulos [Ex. 6 - Personal Privacy]  
**From:** Papadopoulos, George  
**Sent:** Mon 6/9/2014 8:56:36 PM  
**Subject:** FW: WA 3-28, Pilgrim Nuclear Power Station, Technical Assistance, EP-C-11-009  
Pilgrim Engineering Evaluation 6-9-14.docx

Tetra tech report on Pilgrim 316b

George Papadopoulos - USEPA - (617) 918-1579

**From:** Houlihan, Damien  
**Sent:** Monday, June 09, 2014 2:48 PM  
**To:** Papadopoulos, George; Gaito, Danielle  
**Subject:** FW: WA 3-28, Pilgrim Nuclear Power Station, Technical Assistance, EP-C-11-009

Please review and let me know if you have comments. Thanks.

**From:** Meadows, Kelly [<mailto:Kelly.Meadows@tetrattech.com>]  
**Sent:** Monday, June 09, 2014 2:16 PM  
**To:** Chan, Jennifer; Houlihan, Damien  
**Cc:** Sunda, John  
**Subject:** RE: WA 3-28, Pilgrim Nuclear Power Station, Technical Assistance, EP-C-11-009

Hello—

Please see attached for a draft evaluation of Pilgrim's engineering materials, including the materials on closed-cycle cooling that we had provided in late March. Please let us know if you have any questions—we're happy to schedule a call to walk through any of this.

Thanks

Kelly

**From:** Chan, Jennifer [<mailto:Chan.Jennifer@epa.gov>]  
**Sent:** Thursday, February 27, 2014 2:21 PM  
**To:** Meadows, Kelly  
**Cc:** Houlihan, Damien  
**Subject:** TD: WA 3-28, Pilgrim Nuclear Power Station, Technical Assistance, EP-C-11-009

Kelly –

Please provide technical assistance to EPA Region 1 for development of permit for the Pilgrim Nuclear Power Station, Plymouth, MA in the following areas:

1. Engineering Evaluations

- a. Evaluate PNPS “Evaluation of Existing CWIS Technologies and Operational Measures”; “Closed-Loop Cooling”; “Alternative I/E Reduction Technologies” “Flow Reduction”; and “Conclusions” from June 2008 submittal.
- b. Provide engineering assessment as to the validity of operational concerns and the feasibility of retrofit of cooling system with cooling towers.

2. Biological Evaluation

Provide support in the development of thermal analysis for the facility. Review and provide technical comments on the MassDEP’s draft thermal analysis; identifying areas that needs to be developed, areas that should be included, and where supporting documentation is needed.

3. Affordability – If necessary, determine financial/economic profitability of PNPS and the affordability of installing 316(b) technologies.

Region 1 will send you the materials for this task. Please see the attached document regarding Region 1’s request to EPA for support for more background information regarding Pilgrim Nuclear Power Station.

Thanks

Jennifer Chan

US EPA, OW, OWM

Water Permits Division

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202-564-3067 (Tues, Wed, Thurs)